

CLAIMS

What is claimed is:

- 1 (1) A brightness adjusting system, comprising:
 - 2
 - 3 a display gradation calculator for calculating the display brightness in a specific area of an image displayed on the screen of a display unit; and
 - 4
 - 5 a brightness adjuster for adjusting the screen brightness of said display unit according to said display brightness in said specific area, calculated by said
 - 6
 - 7 display gradation calculator.
- 1 (2) The system according to Claim 1,
 - 2 wherein said display gradation calculator calculates the display brightness in said specific area by converting the gradation of each RGB element in a draw signal of an image displayed in said specific area to a gray scale
 - 3
 - 4
 - 5 gradation.

1 (3.) A brightness controlling method for controlling the screen brightness of a
2 display unit, wherein said method comprises:

3 a step of calculating the display brightness in a certain window displayed on
4 the screen of said display unit; and

5 a step of adjusting the brightness of the whole screen of said display unit
6 according to said calculated display brightness.

1 (4.) The method according to Claim 3,

2
3 wherein said method further comprises a step of monitoring the state of
4 each window displayed on said screen of said display unit so as to detect a
5 focused window on said screen, and

6 said step of calculating said display brightness further comprises a step of
7 calculating the display brightness in said detected focused window.

- 1 (5) The method according to Claim 3 ,
 - 2 wherein said step of calculating said display brightness further comprises:
 - 3 a step of obtaining gradation information of each RGB element in a color
 - 4 displayed in said window; and
 - 5 a step of converting said obtained gradation of each RGB element to a gray
 - 6 scale gradation so as to decide said converted gray scale gradation as the
 - 7 display brightness in said window.